

**8th RISE Symposium (Research Insights in Semiarid Ecosystems)
Saturday, 29 October 2011**

Marley Building, Room 230

8:30-9:00	Registration	
9:00-9:15	Mitch McClaran and Susan Moran	RISE Welcome, Activities at WGEW and SRER
9:15-9:25	Dan Ferguson UA IE	Climate Research, Decision Support and Outreach: An Overview of the Climate Assessment for the Southwest (CLIMAS) Program
9:25-9:35	Linda Kennedy AWRR	What good is a ranch if you don't raise cows?
9:35-9:55	Phil Guertin UA SNRE	AGWA-R: A Decision Support Tool for Western Rangeland Watersheds
9:55-10:15	Jim Malusa UA SNRE	Why are there no big pines in the Dragoons? Describing and discovering the vegetation of SE Arizona for the FireScope Project
10:15-10:35	Goggy Davidowitz UA DE	Nectar type and the flight-fecundity tradeoff in a semi arid environment
10:35-11:00	Poster introductions	Poster abstracts presented by poster authors
11:00-1:00	Poster Session	Authors will be with their posters in the hall outside the conference room
12:00-1:00	Lunch w/ Posters	<i>Provided at the meeting; included in RISE registration fee</i>
1:00-1:20	Xubin Zeng UA DAS	Soil moisture distribution at WGEW and SRER based on conventional sensors, COSMOS probes, and a simple model
1:20-1:40	Greg Barron-Gafford UA Biosphere 2	The relative controls of temperature and soil moisture on soil CO ₂ efflux under a changing landscape
1:40-2:00	Mary Nichols USDA ARS SWRC	Rangeland applications for very high resolution photography
2:00-2:20	Peter Gierlach (Petey Mesquitey) KXCI Radio	Eureka Moments: A life revealed by the natural history of a semiarid ecosystem
2:20-2:30	Discussion	All speakers and poster authors will be in attendance

POSTERS

P1	Mickey Reed UA SNRE	Mapping Arizona Wetlands
P2	Uyen Nguyen UA SWES	Vegetation Phenology and Intensity as a Function of Climate and River Flows for an Ephemeral Desert River, 2000 to 2010, Using MODIS Satellite Data
P3	Pamela Nagler USGS	Monitoring of Tamarisk -- beetle interactions on the lower Virgin
P4	Daniel Robinett RRR	Babacomari River Riparian Protection Project
P5	Retta Bruegger UA SNRE	Efficacy of Using Supplementation and Herding to Reduce Fine Fuels in the Santa Rita Mountains of southeastern Arizona
P6	Hillary Nicholas UA SNRE	Estimating infiltration rates for intermittent streams in the semiarid southwest: implications for ecosystem processes
P7	Eva Levi UA SNRE	Soil-litter mixing accelerates decomposition and facilitates soil aggregation in a shrub-invaded Sonoran Desert grassland
P8	Amber Dalke UA SNRE	Validating Expert-Based State-and-Transition Models using Long-term Data
P9	Haiyan Wei USDA ARS SWRC	Are droughts more likely during grazing periods than rest periods in rotational systems?
P10	Nicole Pierini ASU	Watershed-Scale Ecohydrological Dynamics in the Santa Rita Experimental Range
P11	Daniel Bunting UA SNRE	Estimating large-scale evapotranspiration in arid and semi-arid systems
P12	Dean Keller	K-12 Standards Conundrum: Teaching Math & Science Through Authentic Field Research

	UA SNRE	
P13	Stephanie Aguillon UA SNRE	Short-Term Leaf Litter Decomposition on the Santa Rita Experimental Range
P14	Jamie Moy UA SPS	Effects of microbial communities on in vitro and in situ degradation of plant material in an arid ecosystem
P15	Darin Law UA SNRE	A new approach for predicting near-surface wind using high-resolution characterizations of canopy architecture from hemispherical photography and LiDAR: a preliminary assessment at the Santa Rita Experimental Range.
P16	Pierre Deviche ASU SLS	Rapid effects of capture and handling on circulating hormone concentrations in the male Rufous-winged Sparrow, <i>Peucaea carpalis</i>
P17	Stephanie Bittner ASU SLS	Corticosterone's relationship with parental investments in a Sonoran desert passerine, the Rufous-winged Sparrow, <i>Peucaea carpalis</i>
P18	Aaryn Olsson NAU	Landscape models of non-native plant phenology and invasion to support conservation on military and adjacent lands in the Sonoran Desert

RISE Organizing Committee: Mark Heitlinger, Mitch McClaran, Susan Moran markh@Ag.arizona.edu mcclaran@u.arizona.edu susan.moran@ars.usda.gov	Undefined Acronyms: ARS: Agricultural Research Service ASU: Arizona State University AWRR: Appleton-Whittell Research Ranch DAS: Dept. of Atmospheric Sciences DB: Dept. Biology DE: Dept. of Entomology IE: Institute of the Environment NAU: Northern Arizona University RRR: Robinett Rangeland Resources LLC SLS: School of Life Sciences SNRE: School of Natural Resources and the Environment SPS: School of Plant Sciences SRER: Santa Rita Experimental Range SWRC: Southwest Watershed Research Center UA: University of Arizona USGS: US Geological Survey WGEW: Walnut Gulch Experimental Watershed
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